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United States Patent [19][11] **Patent Number:** **5,398,046****Szegedi et al.**[45] **Date of Patent:** **Mar. 14, 1995**[54] **FACEPLATE FOR AN INTERACTIVE
DISPLAY TERMINAL**[75] Inventors: **Nicholas J. Szegedi; Eric R. Eustis,**
both of Simi Valley, Calif.[73] Assignee: **Litton Systems, Inc.,** Beverly Hills,
Calif.[21] Appl. No.: **130,241**[22] Filed: **Oct. 1, 1993**[51] Int. Cl.⁶ **G09G 3/00**[52] U.S. Cl. **345/174; 361/818;**
348/820; 174/35 R[58] Field of Search 348/818, 819, 820;
174/35 R, 35 MS, 35 C; 361/816, 818;
340/815.42, 815.5, 815.59; 345/173, 32, 174,
175, 179; 178/18, 19[56] **References Cited****U.S. PATENT DOCUMENTS**

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A faceplate assembly has an electrically conductive grid, which is electrically connected to a suitable ground potential, positioned on or above a display screen of an interactive display terminal (IDT) where the grid has a plurality of optical pipes with metal walls, which provide electromagnetic interference (EMI) protection, and with optical cores, which enhance visibility, that optically pipe information originally displayed on the IDT screen which is piped to a viewing plane developed by the grid. A continuous, serpentine electrical conductor is carried by and positioned over the optical pipe walls by a flexible, transparent overlay sheet that can be flexed to bring a selected portion of the electrical conductor into an electrical switch closed position with an adjacent optical pipe wall(s). This selected grid position is electrically measurable and thereby determined.

15 Claims, 1 Drawing Sheet